

ART 34 AMDT

AS ENCLOSED TO IPER

We claim:

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1. A process for the hydrogenation of an organic compound containing at least one carbonyl group, which comprises bringing the organic compound in the presence of hydrogen into contact with a shaped body which can be produced by a process in which

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(i) an oxidic material comprising copper oxide, zinc oxide and aluminum oxide is made available,

(ii) pulverulent metallic copper or pulverulent cement or a mixture thereof is added to the oxidic material, and

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(iii) the mixture resulting from (ii) is shaped to form a shaped body.

2. A process as claimed in claim 1, wherein the oxidic material comprises

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(a) copper oxide in a proportion in the range $60 \leq x \leq 80\%$ by weight, preferably $65 \leq x \leq 75\%$ by weight, *x not defined*

(b) zinc oxide in a proportion in the range $15 \leq y \leq 35\%$ by weight, preferably $20 \leq y \leq 30\%$ by weight, and *y not defined*

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(c) aluminum oxide in a proportion in the range $2 \leq z \leq 20\%$ by weight, preferably $3 \leq z \leq 7\%$ by weight, *z not defined*

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in each case based on the total weight of the oxidic material after calcination, where $80 \leq x + y + z \leq 100$, in particular $95 \leq x + y + z \leq 100$, and cement is not included as part of the oxidic material in the above sense.

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3.

- A process as claimed in claim 1 or 2, wherein the pulverulent metallic copper or the pulverulent cement or the mixture thereof is added in an

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7. A process as claimed in claim ~~6~~, wherein the organic compound is adipic acid or an ester of adipic acid.

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